

Instructions to Bidders

Each bid consists of 2 (two) files: the bid document and the legal appendices.

The following forms **only** must be **completely** filled out, and the **originals** returned no later than **11:00 a.m.** on the bid opening date to:

Purchasing Office
Suffolk County Department of Public Works
360 Yaphank Avenue – Suite 1B
Yaphank, NY 11980-9645

1. **221B - Bid Request** – signed in ink. **PLEASE ENTER YOUR COMPANY NAME AND ADDRESS IN THE “TO” SECTION ON THE BID**
2. All **pages with pricing, wages and model numbers**, along with specifications for alternate bids
3. **SCEX Form 22** – Public disclosure statement – *must be notarized*
4. **SCPD-7 - Bid Certification**
5. **SCDP-8A - Local Business Certification**– *only if claiming local vendor preference*
6. **LHE-1 and LHE-2 – Lawful Hiring** – *must be notarized*

All bids along with the above mentioned forms must be returned in a sealed envelope and clearly marked as follows: (you may cut out the following and attach to your bid envelope)

RUSH BID – P.A. <u>JM</u> OPENING DATE <u>5/28/10</u> AT 11 A.M. REQUISITION NO. <u>10/29106</u>
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Faxed or Electronic Submission will not be accepted

Tuesday, May 11, 2010

MAIL OR DELIVER BIDS IN PERSON TO:

COUNTY OF SUFFOLK, N.Y.
DEPT. OF PUBLIC WORKS, PURCHASING OFFICE
360 YAPHANK AVENUE
YAPHANK, NY 11980-9744
PHONE: (631) 852-5196

BID REQUEST

REQ. #(s) 10/29106

INVITATION

This is an invitation to submit sealed bids for furnishing the supplies and/or services specified below, subject to the conditions on this and the standard/special terms referenced. All bids must be returned in the envelope furnished herewith. Bids will be received at the office of the County Purchasing Unit and, where required, publicly opened there at 11:00 a.m. on Friday, May 28, 2010

TO:

Delivery to: WEST BABYLON, NY 11704
(All delivery charges must be included in your quotation)

Required DELIVERY date: AS REQUIRED

If you cannot comply with the required delivery date, write in here your best possible delivery: _____

Your terms: _____

For additional information call:

JOHN MAC DONALD, Purchasing Technician
phone: 631/852-5217

BIDDER'S ACCEPTANCE

1. The delivery date indicated is as required by the County. If you cannot meet it, cross it out and insert your own best delivery time.
2. All delivery charges are to be included in your quotation.
3. If this bid is accepted within _____ days from the bid opening date, the undersigned offers and agrees to furnish any or all of the items on which prices are quoted, at the price and delivery time indicated, subject to all the terms and conditions herein.
4. ALL BIDS MUST BE SIGNED IN INK.
5. Non-Collusive Bid Certification must be returned with this bid.
6. INCLUDE YOUR FEDERAL I.D.# _____

(Print Firm name)

(Authorized Signature)

(Print authorized name and title)

(date)

(FAX #)

(phone number)

Have you filed a County Form SCEX-22 (Local Law 14/1976) for the current calendar year? _____ (see item 10 on reverse side)

Email address: _____

THIS IS NOT AN ORDER

COM. CODE	ITEM NO.	QTY	UNIT	DESCRIPTION	UNIT PRICE	NET TOTAL
81500				ANNUAL REQUIREMENTS CONTRACT HEATING/COOLING COILS FOR BUFFALO FORGE AIR HANDLERS =====		
				AS PER ATTACHED SPECIFICATIONS		
				IN ADDITION TO THE STANDARD BID TERMS AND CONDITIONS (ATTACHED) THE FOLLOWING "SPECIAL INSTRUCTIONS TO BIDDERS" ALSO APPLY: A1, C10, D11, D12, D13, D14, D15 D16, D17 E 18, E 19, AND E20		

JM/JL

**SUFFOLK COUNTY
DEPARTMENT OF PUBLIC WORKS
PURCHASING OFFICE**

**STANDARD BID TERMS AND CONDITIONS AND SPECIAL
INSTRUCTIONS TO BIDDERS AS INDICATED**

All quotations are subject to the following terms and conditions unless modified in writing. Upon acceptance of a bid by the County the terms of the bid shall apply to all orders issued as a result of such acceptance.

1-BIDDING

(a) PRICING - Bidders shall insert unit price and extension for each item.

(b) The provisions of the New York State Fair Trade Law (Feld-Crowford Act) and the federal price discrimination law (Robinson-Patman Act) do not apply to purchases made by the County.

(c) DISCOUNTS - Cash discounts will not be a factor in determining awards unless otherwise indicated by the County. Trade discounts will be a factor in determining the award.

(d) F.O.B. DELIVERY POINT - All prices bid must be on the basis of F.O.B. Delivery point, unshipped inside and assembled unless otherwise indicated in the proposal. A bid on any other basis than that indicated in the proposal may be considered informal.

(e) "OR EQUAL" BIDDING - When a bid standard is specified, the bidder may offer an article which he certifies to be equal in quality, performance and other essential characteristics to the bid standard. If a bidder fails to name a substitute, he will be required to furnish the bid standard.

(f) 2-SAMPLES - Samples or drawings required shall be delivered free of charge as requested. Samples shall be removed by the bidder at his expense. The County will not be responsible for any samples which are destroyed or mutilated in examination. If samples are not removed within thirty (30) days after written notice to the vendor, they shall be considered as abandoned and the County shall have the right to dispose of them as its own property.

(g) 3-AWARD WILL BE MADE BY ITEM OR CLASS - When class bids are indicated, bidder must bid on each item in the class. A bidder desiring to bid "no charge" on an item in a class must so indicate; otherwise bid for that class will be considered as incomplete. Items may be combined and awarded as a group if there is a saving in ultimate cost by the reduction of the number of orders issued.

4-DELIVERY

(a) INSPECTIONS shall be made at the point of delivery unless otherwise specified. Any food, drug or other commodity which is found to be unwholesome or otherwise unfit for human consumption or use shall not be removed by the Vendor until it is examined by the Department of Health. If condemned, such commodities shall be disposed of as provided by law.

(b) DELIVERY HOURS - Deliveries shall be made between 9 A.M. and 3:30 P.M. Monday through Friday and at other times by special arrangement only.

(c) DELIVER TIME - Shall be computed in calendar days from the order mailing date on the order.

(d) LABELS - ALL supplies which are customarily labeled or identified must have securely affixed thereto the original unutilized label or marking of the manufacturer.

(e) NEW MERCHANDISE - Unless otherwise stated in the quotation or orders, deliveries must consist only of new and unused merchandise which is currently in production.

(f) SUPPLIES shall be securely and properly packed for shipment, according to accepted commercial practices.

(g) THE CONTRACTOR shall be responsible for delivery of supplies, equipment or materials in good condition to point of destination. Materials, equipment and/or supplies delivered to an agency shall be the property and sole responsibility of the Contractor or Vendor until such time as the County accepts same.

(h) BILLINGS for deliveries must be rendered on County claim vouchers.

5-DELAYS, NO-DELIVERY REJECTIONS

(a) VENDORS FAULT - If the Vendor fails to make delivery within the time specified or if the delivery is rejected, the Chief Purchasing Agent may obtain such commodities or any part thereof from other sources in the open market or on contract. Should the new price be greater than the order price, the difference, plus the re-labelling cost and the liquidated damages, if any, will be charged against the Vendor. Should the new price be less, the Vendor shall have no claim to the difference, but the re-labelling cost and the liquidated damages will become charges against the Vendor.

(b) Should the new purchase price exceed the order by twenty per cent (20%) or more, the County agrees to waive its claim to the re-labelling cost and the liquidated damages; should such excess price be less than twenty per cent (20%), the County shall charge the Vendor in addition, the re-labelling cost and liquidated damages to a total not exceeding twenty per cent (20%) of the order price of the items rejected or not delivered.

(c) REJECTED MERCHANDISE - The County may withhold acceptance of or reject any goods which are found, upon examination, not to meet the specified requirements. Upon written notification of rejection, goods shall be immediately removed by the Vendor. Rejected goods left longer than thirty (30) days will be regarded as abandoned and the County shall have the right to dispose of them as its own property. On foodstuffs and drugs, no written notice of rejection need be given; upon verbal notice to do so, the Vendor shall immediately remove and replace rejected merchandise.

6-AWARD

(a) The Chief Purchasing Agent reserves the right to make awards within forty-five (45) days after the date of the bid opening, during which period bids shall not be withdrawn.

(b) The placing of an order by the Chief Purchasing Agent with the bidder for material described in the Request for a Purchase Order (Form 24-1080, 02/01/05) may be terminated by the County for convenience upon 5 days written notice.

(c) The placement of a Purchase Order (Form 24-1080, 02/01/05) may be terminated by the County for convenience upon 5 days written notice.

(d) All contracts awarded by the Chief Purchasing Agent shall be executory only to the extent of funds available to each Agency for the purchase of the commodity.

(e) 7-PERFORMANCE BONDS - If the specifications require the posting of a performance bond, then within one week after awarding of the contract a performance bond of 100% of the amount of the award shall be posted as security for faithful performance, with the understanding that the whole or any part thereof may be used by the County of Suffolk to supply any deficiency that may arise from any default on the part of the bidder. Such bond must meet all the requirements of the County Attorney.

8-GUARANTEES BY BIDDER - Bidder hereby guarantees:

(a) to save the County, its agents and employees harmless from liability of any nature or kind for the use of any copyrighted or uncopyrighted composition, secret, process, patented or unpatented invention, article or appliance, furnished or used in the performance hereof of which the Bidder is not the Patentee, assignee or licensee, and to defend any action brought against the County in the name of the County and under the direction of the County Attorney at the sole cost of the Bidder or in the sole option of the Chief Purchasing Agent to pay the cost of such defense to the County.

(b) Vendor agrees to indemnify and hold the County Government harmless for any claim or liability arising under this contract due to any act or omission of the Vendor.

(c) His products against defective material or workmanship and to repair or replace any damages or meaning occasioned in transit.

(d) To furnish adequate protection from damage for all work and to repair damages of any kind, for which he or his workmen are responsible, to the building or equipment, to the own work or the work of other Vendors or in the opinion of the Chief Purchasing Agent to pay for the same by deductions in payments due under the contract.

(e) To pay for all permits, licenses and fees and give all notices and comply with all laws, ordinances, rules and regulations of the city, village or town in which the installation is to be made, and of the County of Suffolk and the State of New York.

(f) To carry proper insurance in the opinion of the Chief Purchasing Agent, and approved by the County Attorney to protect the County from loss in case of accident, fire and theft.

(g) That he will keep himself informed of all municipal ordinances and regulations, state and national laws in any manner affecting the work or goods herein specified, and any extra work contracted for by him and shall at all times observe and comply with said ordinances, laws and regulations, including all provisions of the Worker's Compensation and Labor Laws, and shall indemnify and save harmless the County of Suffolk from loss and liability upon any and all claims on account of any physical injury to persons, including death or damage to property and from all cost and expenses in suits which may be brought against the same on account of such injuries. In the event of the actual cost of the same and irrespective of whether the same shall have been due to the negligence of the Bidder or the agents or the County or their respective agents.

(h) That the items furnished shall conform to all the provisions of the bid and this warranty shall survive acceptance, or use of any material so furnished.

(i) That all deliveries will not be inferior to the accepted bid sample.

(j) 9-ASSIGNABILITY OF CONTRACTS - The contractor agrees that this contract shall not be assigned, transferred, conveyed, sublet, or otherwise dispose of the same, or of his right, title and interest therein, or his power to execute such contract, or assign all or any portion of the monies that may be due or become due to the contractor under the terms of this contract.

(k) 10-COMPLIANCE WITH LOCAL LAWS - Prior to award of contract or Purchase Order, Vendor must comply with requirements of Local Laws 18-1972, 20-1973, 14-1976, 6-1979, and 32-1980, where applicable, by completing Forms SOEX 22 and SCOP-7 and filing them with the Purchasing Division.

(l) 11-LIMITATION OF ACTION - No action for any cause whatsoever arising out of this order shall be maintained against the County of Suffolk by the Vendor, or anyone claiming under the Vendor, unless such action shall be commenced within six months.

(m) (a) after expiration of this order or
(n) after the date of written notice to the Vendor from the County of complete rejection or withdrawal acceptance or

(o) after the date of written notice to the Vendor from the County of a deduction from the agreed price on the order, whichever of the above events shall be the latest in time.

12-LABOR LAWS AND DISCRIMINATION IN EMPLOYMENT

(a) Pursuant to Sections 220 (c) and 239 of the Labor Law, in the hiring of employees for the performance of work under this contract or any subcontract hereunder:

(i) No contractor, subcontractor, nor any person acting on behalf of such contractor or subcontractor, shall by reason of race, creed, color or national origin discriminate against any citizen of the State of New York who is qualified and available to perform the work to which the employment relates;

(ii) No contractor, subcontractor, nor any person or his behalf shall, in any manner discriminate against or intimidate any employee hired for the performance of work under this contract on account of race, creed, color, national origin, age, or sex.

(iii) There may be deducted from the amount payable to the contractor by the County a penalty of five dollars for each person for each calendar day during which such person was discriminated against or intimidated in violation of the provisions of this contract, and

(iv) This contract may be cancelled or terminated by the County, and all monies due or to become due hereunder may be forfeited, for a second or any subsequent violation of the terms or conditions of this section of the contract.

(b) Pursuant to Sec. 220(2) of the Labor Law no laborers, workmen, or mechanics in the employ of the contractor, subcontractor or other person doing or contracting to do all or part of the work contemplated by the contract, shall be permitted or required to work more than eight hours in any one calendar day or more than five days in any one week except in cases of extraordinary emergency including fire, flood or danger to life or property as provided for therein.

(c) For every contract for the construction, reconstruction, maintenance and/or repair of public work, every laborer, workman or mechanic shall be paid not less than such hourly minimum rate of wage and supplements not less than the prevailing supplements, as provided in Art. 8 of the Labor Law.

(d) Preference in Employment of Persons Upon Public Works - Every contractor and/or subcontractor agrees to give preference to citizens of the State of New York who have been residents for at least six consecutive months immediately prior to the commencement of the employment, as provided in Sec. 22 of the Labor Law.

(e) For every contract involving building service work as defined in Article 9 of the Labor Law, the contractor and/or its subcontractors shall be obligated to pay each employee on such work not less than the wage specified for his craft, trade or occupation in the schedule of wages made part of the specifications hereto, and agree to be bound by all of the provisions of Article 9 of the Labor Law.

(f) 13 - SALES AND EXCISE TAXES - Unless the proposal indicates otherwise, the County is exempt from the payment of any sales, excise or Federal transportation taxes. The price bid must be net exclusive of taxes and will be so construed. A vendor desiring refunds of, or exemptions from taxes paid on merchandise accepted by the County, must submit the proper forms, and the Chief Purchasing Agent, if satisfied as to the facts, will approve or issue the necessary certificates.

(g) 14 - AUDIT - Purchase orders and contracts are subject to audit.

15 - PAYMENT AND COLLECTION OF CHARGES

(a) The County will make every effort to pay vouchers within thirty (30) days after

(1) proper delivery of merchandise
(2) receipt of a properly executed voucher submitted to the Comptroller by the receiving agencies; vouchers forms shall be obtained from such agencies.

(b) In any case where a question of nonperformance of a contract arises, payment may be withheld in whole or in part.

(c) All charges against a Vendor shall be deducted from current obligations that are due him or shall become due him. In the event that there are no current obligations, the Vendor shall pay to the County the amount of any such charges.

(d) The County will also avail itself of cash discounts for payment within prescribed times whenever possible.

CONTRACTS INVOLVING INSTALLATION

1. Contractors shall clean up and remove all debris and rubbish resulting from his work from time to time as required or directed. Upon completion of the work the premises shall be left in a neat, unobstructed condition, the buildings broom clean, and everything in satisfactory repair and order.

2. Installation shall also include the turnings of any rigging necessary to move equipment into the building; also the removal and resetting of any removable windows used for moving equipment into the building and removal of trade-ins, if any.

3. Bidders shall acquaint themselves with conditions to be found at the site and shall assume all responsibility for placing and installing the equipment in the locations required.

4. Contractor shall furnish adequate protection from damage for all work and shall repair damages of any kind for which he or his workmen are responsible.

VEHICLES

5. Any and all equipment listed by the Manufacturer as "Standard" for the model offered shall be provided on the delivered vehicle.

6. The Manufacturer's Standard Warranty shall cover all equipment delivered.

7. Vehicles shall be completely serviced including cleaning (outside and inside) prior to delivery.

8. Award will not be made to any dealer who cannot provide warranty repairs and services within the County of Suffolk. Vendors not having a place of business in the County of Suffolk shall provide in writing the name and location of the agency within the County of Suffolk where such services will be performed.

9. No name other than the Manufacturer's shall appear on the Vehicle.

10. Any deviations from these Specifications shall be considered cause for disqualification unless fully explained in the bid. Acceptance of such deviations shall be within the discretion of the Chief Purchasing Agent.

11. Bids will be considered only from Automobile Manufacturers or their Authorized Dealers.

HEATING/COOLING COILS FOR
BUFFALO FORGE AIR HANDLERS
MANUFACTURERS LISTED ARE FOR REFERENCE PURPOSES ONLY

<u>ITEM</u>		<u>PRICE EACH</u>
1.	CH-12.0AE-37. 4 X 54.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
2.	CH-12.0AE-20. 6 X 84.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
3.	CH-12.0AE-29.0 X 84.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
4.	CH-12.0AE-29.0 X 108.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
5.	CH-12.0AE-37. 4 X 108.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
6.	CH-12.0AE-24.9 X 36.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
7.	CH-12.0AE-20.6 X 36.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
8.	CH-12.0AE-29.0 X 102.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
9.	CH-12.0AE-37. 4 X 102.0-2-22 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
10.	CH-12.0AE-24.9 X 36.0-2-1 OR EQUAL MFR: _____ PROD. #: _____	\$ _____
11.	CH-12.0AE-29.0 X 42.0-2-1 OR EQUAL MFR: _____ PROD. #: _____	\$ _____

VENDORS BIDDING ALTERNATES TO THE MODELS SPECIFIED MUST PROVIDE COMPLETE SPECIFICATIONS WITH BIDS.

ANY EXCEPTIONS TAKEN TO ANY PART OF THESE SPECIFICATIONS MUST BE FULLY EXPLAINED IN A WRITTEN SUMMARY PROVIDED WITH BID. FAILURE TO DO SO MAY BE CAUSE FOR DISQUALIFICATION.

SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
Division of Sanitation

Specifications

HEATING / COOLING COILS

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- 1.0 GENERAL REQUIREMENTS
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- 1.5 AWARD OF CONTRACT

1.0 GENERAL REQUIREMENTS

The successful bidder shall furnish various models/sizes of heating/cooling coils (see attached technical specifications) for air handling cabinets manufactured by Buffalo Forge Co., Buffalo, New York. The coils will provide heating/cooling for the Southwest Sewer District #3 located at 600 Bergen Avenue, West Babylon, New York. Bid price shall include delivery.

Bidders shall be responsible for inspecting the facilities to assure that their equipment/coils will be compatible with the process and existing conditions for which a bid is submitted.

All coil units shall be a direct replacement for the Buffalo Forge units and shall be installed with no modifications (direct bolt in replacement units). Bidders are responsible for all field dimensions and fabrication details required.

If the successful bidder supplies coil units that are not direct replacements, inferior in materials or workmanship, the County shall reject such units; no payments will be made and the bidder will be responsible for return shipping and handling costs. In addition, the County reserves the right to apply liquidated damages as determined by the County for administrative and other related costs.

Bidders shall arrange for an inspection/tour by contacting Mr. Roy Zimmerman or Mr. David Krol at (631) 854-4157.

No inspections/tours will be given three (3) days prior to bid date opening.

1.3 CONFLICT, INTERPRETATION OR CALCULATIONS

In case of conflict, interpretation or calculation, the County will govern.

1.4 TECHNICAL SPECIFICATIONS

TYPE CH HEATING/COOLING COILS

MANUFACTURER'S NAMES CITED IN THESE SPECIFICATIONS ARE FOR REFERENCE PURPOSES. BIDDER'S OFFERING EQUIVALENT PRODUCTS ARE REQUIRED TO PROVIDE COMPLETE INFORMATION INCLUDING MANUFACTURER'S NAME, MODEL NUMBER AND DETAILED SPECIFICATIONS.

ANY EXCEPTIONS TAKEN TO THESE SPECIFICATIONS MUST BE FULLY EXPLAINED IN A WRITTEN SUMMARY PROVIDED WITH BID. FAILURE TO DO SO MAY BE CAUSE FOR DISQUALIFICATION.

<u>ITEM</u>	<u>COILS</u>
1.	CH-12.0AE-37.4x54.0-2-22
2.	CH-12.0AE-20.6x84.0-2-22
3.	CH-12.0AE-29.0x84.0-2-22
4.	CH-12.0AE-29.0x108.0-2-22
5.	CH-12.0AE-37.4x108.0-2-22
6.	CH-12.0AE-24.9x36.0-2-22
7.	CH-12.0AE-20.6x36.0-2-22
8.	CH-12.0AE-29.0x102.0-2-22
9.	CH-12.0AE-37.4x102.0-2-22
10.	CH-12.0AE-24.9x36.0-2-1
11.	CH-12.0AE-29.0X42.0-2-1

All cooling coils shall be rated in accordance with ARI 430-10 and shall meet the specified performance listed on the contract drawings.

Coils shall be constructed with 5/8" O.D. seamless copper tubing. Tubing shall have a .035" thick tube wall after the fin attachment process. If expansion of tubes is requires for the finning process, a heavier tube wall thickness shall be used to furnish a finished product with .035" thick tube wall.

Return bends shall have a corresponding wall thickness of .049" thick tube wall.

Fins shall be aluminum, smooth tapered, helically wound under tension with a corresponding thickness of .010" thick.

Finned tubes shall be independent of each other, allowing them to expand and contract and eliminating the internal stresses developed when one tube is joined to another by a fin.

Fin spacing as shown on the contract drawings are maximum; if increased surface is required, it will be achieved by increasing the number of rows but without exceeding the scheduled air side pressure drop.

Coil casing shall be of a minimum 16 gauge, galvanized steel.

Headers shall be carbon steel with carbon steel connections for the supply, return, drain and vent connections.

Coils shall be factory tested at 250 PSIG, air under water and designed to operate at 200 PSIG. If design and operating conditions are to exceed the above-specified conditions, a hydro static test shall be performed.

Coils are based on Aerofin Type CH, chilled water coils.

<u>Reference drawing</u>	<u>Part number</u>
AHU-2E	CH-12.0AE-37.4 x 54.0-2-22
AHU-2H	CH-12.0AE-20.6 x 84.0-2-22
AHU-2H	CH-12.0AE-29.0 x 84.0-2-22
AHU-4L	CH-12.0AE-29.0 x 108.0-2-22
AHU-4L	CH-12.0AE-37.4 x 108.0-2-22
AHU-1K	CH-12.0AE-24.9 x 36.0-2-22
AHU-1M	CH-12.0AE-20.6 x 36.0-2-22
AHU-1J	CH-12.0AE-29.0 x 102.0-2-22
AHU-1J	CH-12.0AE-37.4 x 102.0-2-22
AHU-7A	CH-12.0AE-24.9 X 36.0-2-1
AHU-3A	CH-12.0AE-29.0 X 42.0-2-1

CH-12.0AE-37.4 x 54.0-2-22

MARK <u>AHU-2 E</u>		B.F.CO. ORDER NO. <u>74S-8383</u>		ACJ - 1000	
OFFICE NO. <u>49CN-225</u>		CUSTOMER NO. <u>8C-71174</u>		SUPPLEMENT TO	
CUSTOMER <u>SIMPSON METAL INDUSTRIES COLLEGE POINT N.Y.</u>				ACJ - 1001	
USER <u>SOUTHWEST SEWAGE TREATMENT PLANT N.Y.</u>				REVISION <u>B</u>	
ENGINEER <u>CONSCOR TOWNSEND CHICAGO</u>				DATE <u>10-8-74</u>	
FURNISH <u>1</u> SIZE <u>60</u> <u>HVF</u> AIR HANDLING CABINET				DRAW-THRU <input checked="" type="checkbox"/> BLOW-THRU <input type="checkbox"/>	
BLOWER ARR. FIG. <u>T</u>		MOTOR POSITION <u>M-7</u>		FLOOR MOUNTED <input checked="" type="checkbox"/> SUSPENDED <input type="checkbox"/>	
SPRAYED SECTION: R.H. <input type="checkbox"/> L.H. <input type="checkbox"/>		INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/>			
FAN SECTION	TYPE <u>HVA</u> FAN RATING		MOTOR		V-BELT DRIVE (S.F. <u>1.5</u>)
	SIZE <u>150</u> WHEEL DIA. <u>15"</u>		HP <u>3</u> RPM <u>1800</u>		TYPE <u>ADJ</u> CENTERS <u>21.3</u>
	CFM <u>7000</u> OV. <u>1906</u>		3 PH <u>60</u> HZ <u>230/400</u> VOLTS		NO. <u>2</u> BELTS <u>B55</u>
	EXT. SP. <u>1</u> INT. SP. <u>1</u> TOTAL <u>1</u>		FRAME <u>182T</u> WEIGHT <u> </u>		MOTOR SHEAVE <u>3-1/4"</u> P.D. <u> </u>
	RPM <u>1270</u> BHP <u>2.6</u>		ENCLOSURE <u>OPEN</u>		BORE <u>1.5</u> KW <u>4 x 8</u>
HEATING COIL	MAX FAN RPM <u>1915</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>4.8</u> P.D. <u> </u>
	BEARINGS		FURNISHED BY <u>BFCO</u>		BORE <u>1.16</u> KW <u>3 x 1.5</u>
	NO. <u>2</u> SIZE <u>1 1/2"</u>		MOUNTED BY <u>CUST</u>		DRIVE RANGE <u>1130-1494</u>
	MAKE <u>FAFNIR</u> TYPE <u>RCT</u> EXT. <u>FLG</u>		BELT GUARD STD. BY B.F.CO. <input checked="" type="checkbox"/>		MAX. RPM <u>1494</u> 1/2 HP <u>3</u>
	BALL <input checked="" type="checkbox"/> ROLLER <input type="checkbox"/> MTD		SPEC. BY B.F.CO. <input type="checkbox"/> BY OTHERS <input type="checkbox"/>		FURN. BY <u>BFCO</u> MTD. BY <u>CUST</u>
COOLING COIL	PHYSICAL DATA		PRE-HEAT	RE-HEAT	RATING
	SIZE <u> </u>		<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> L	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	ENTERING AIR TEMP. °F <u>5</u>
	SERIES <u>140</u>				LEAVING AIR TEMP. °F <u>68</u>
	TYPE <u>CH</u>				TOTAL LOAD BTU/HR. <u>569</u>
	ROWS & FINS <u>2-ALUM</u>				FACE VELOCITY - FPM <u>19</u>
DAMPERS	PASS <u>2</u>				AIR FRICTION "WG <u> </u>
	CASING HEIGHT <u>37 1/2"</u>				STEAM PRESSURE - PSIG <u>48</u>
	TUBE LENGTH <u>4-6"</u>				HOT WATER - GPM <u>180</u>
	FACE AREA - SQ. FT. <u>12.3</u>				TEMPERATURE - IN °F <u> </u>
	CODE NO. <u>0100CH-3754142</u>				TEMPERATURE - OUT °F <u> </u>
CONNECTIONS, SUPPLY <u>2" MPT</u>		RETURN <u>2" MPT</u>		HEAD LOSS - FT. <u>.20</u>	
PHYSICAL DATA		RATINGS			
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		CONNECTIONS		ENTERING <u> </u> °F DRY BULB <u> </u> °F WET BULB	
SERIES <u> </u>		SUPPLY <u> </u>		LEAVING <u> </u> °F DRY BULB <u> </u> °F WET BULB	
TYPE <u> </u>		RETURN <u> </u>		TOTAL LOAD - BTU/HR. <u> </u>	
ROWS & FINS <u> </u>		VENT <u> </u>		FACE VELOCITY - FPM <u> </u> AIR FRIC. "WG <u> </u>	
CIRCUIT <u> </u>		DRAIN <u> </u>		DEHUMIDIFICATION LOAD - GRAINS <u> </u>	
TUBE FACE <u> </u>		CHILLED		GPM <u> </u>	
TUBE LENGTH <u> </u>		WATER		TEMP. IN <u> </u> °F - OUT <u> </u> °F	
FACE AREA SQ. FT. <u> </u>		TYPE C		HEAD LOSS FT. <u> </u>	
CODE NO. <u> </u>		FREON		SUCTION TEMP. <u> </u> °F	
		TYPE DP		TONNAGE <u> </u>	
STYLE	CONTROL DAMPER	BLADES		MIXING BOX DAMPER ARRANGEMENT	
<input type="checkbox"/> A	RETURN BYPASS ONLY	CONTROL	ZONE		
<input type="checkbox"/> B	FACE & MIXTURE BYPASS	<input type="checkbox"/> PARALLEL	<input type="checkbox"/>		
<input type="checkbox"/> C	FACE & RETURN BYPASS	<input type="checkbox"/> OPPOSED	<input type="checkbox"/>		
<input type="checkbox"/> D	FACE DAMPER ONLY	<input type="checkbox"/> LOW LEAKAGE	<input type="checkbox"/>		
<input type="checkbox"/>	MIXING BOX ARR'G'T. NO. <u> </u>	<input type="checkbox"/> FELT EDGE	<input type="checkbox"/>		
<input type="checkbox"/>	ZONE - DETAILS ON ACJ <u> </u>	NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS			
DATE <u>9-17-74</u>		AIR HANDLING CABINET		ACJ - 1000	
ISSUED BY <u>S. SUBA</u>		BUFFALO FORGE COMPANY - BUFFALO, N.Y., U.S.A.		8-1-72	
CHECKED BY <u> </u>				NEW	

CH-12.0AE-20.6 x 84.0-2-22

CH-12.0AE-29.0 x 84.0-2-22

MARK <u>AHU-2H</u>		B.F.CO. ORDER NO. <u>745-8388</u>		ACJ - 1000		
OFFICE NO. <u>49CN-225</u>		CUSTOMER NO.		SUPPLEMENT TO		
CUSTOMER <u>SIMPSON METAL INDUSTRIES COLLEGE POINT</u>				ACJ - 1005		
USER <u>SIMPSON METAL INDUSTRIES BABYLON, N.Y.</u>				REVISION <u>P</u>		
ENGINEER <u>CONROER TOWNSEND CHICAGO</u>				DATE <u>12-20-76</u>		
FURNISH <u>1</u> SIZE <u>170</u> <u>5V2F</u> AIR HANDLING CABINET				DRAW - THRU <input checked="" type="checkbox"/> BLOW - THRU <input type="checkbox"/>		
BLOWER ARR FIG. <u>A</u> MOTOR POSITION <u>M-1</u>		FLOOR MOUNTED <input checked="" type="checkbox"/> SUSPENDED <input type="checkbox"/>				
SPRAYED SECTION R.H. <input type="checkbox"/> L.H. <input type="checkbox"/>		INDOOR <input checked="" type="checkbox"/> OUTDOOR <input checked="" type="checkbox"/>				
FAN SECTION	TYPE <u>BLD</u> FAN RATING		MOTOR		V-BELT DRIVE (S.F. <u>1.3842</u>)	
	SIZE <u>600</u> WHEEL DIA <u>30</u>		HP <u>10</u> RPM <u>1750</u>		TYPE <u>V4R</u> CENTERS <u>28.0</u>	
	CFM <u>19000</u> OV <u>2050</u>		3 PH <u>60</u> HZ <u>230/440</u> VOLTS		NO <u>2</u> BELTS <u>B-91</u>	
	EXT SP. INT. SP. TOTAL <u>1V2</u>		FRAME <u>215T</u> WEIGHT <u>145#</u>		MOTOR SHEAVE <u>4.5/5.9</u> P.D.	
	RPM <u>892</u> BHP <u>8.2</u>		ENCLOSURE <u>OPEN</u>		BORE <u>1 3/8</u> KW <u>5 1/16</u> x <u>5 3/32</u>	
	MAX. FAN RPM <u>1273</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>11.0</u> P.D.	
	BEARINGS <u>D</u>		FURNISHED BY <u>B.F.CO.</u>		BORE <u>1 1/16</u> KW <u>3 5/8</u> x <u>3 1/4</u>	
	NO. <u>2</u> SIZE <u>1 1/16</u>		MOUNTED BY <u>B.F.CO.</u>		DRIVE RANGE <u>7 1/6 - 9 3/4</u>	
	MAKE <u>LINKBELT</u> TYPE <u>PB22400H</u>		SLIDE BASE		MAX RPM <u>952</u> LL HP <u>10</u>	
	BALL <input type="checkbox"/> ROLLER <input checked="" type="checkbox"/>		B.F.CO. <input checked="" type="checkbox"/> PURCH <input type="checkbox"/>		FURN. BY <u>B.F.CO.</u> MTD. BY <u>B.F.CO.</u>	
BELT GUARD STD. BY B.F.CO. <input type="checkbox"/> SPEC BY B.F.CO. <input type="checkbox"/> O.S.H.A. BY B.F.CO. <input checked="" type="checkbox"/> BY OTHERS <input type="checkbox"/>						
HEATING COIL	PHYSICAL DATA		PRE-HEAT		RE-HEAT	
	SIZE <u>140</u>		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	
	SERIES <u>CH</u>					
	TYPE <u>2-ALUM</u>					
	ROWS & FINS <u>2</u>					
	PASS <u>2</u>					
	CASING HEIGHT <u>20 + 29</u>					
	TUBE LENGTH <u>7'-0"</u>					
	FACE AREA - SQ. FT. <u>24.14</u>					
	CODE NO.					
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
COOLING COIL	PHYSICAL DATA		RATINGS			
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB			
	SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB			
	TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>			
	ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>			
	CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>			
	TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>			
	TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>			
	FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>			
	CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>			
DAMPERS	PHYSICAL DATA		RATINGS			
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB			
	SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB			
	TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>			
	ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>			
	CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>			
	TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>			
	TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>			
	FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>			
	CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>			
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STEAM PRESSURE - PSIG <u>72</u>				
TUBE LENGTH <u>7'-0"</u>		HOT WATER - GPM <u>180</u>				
FACE AREA SQ. FT. <u>24.14</u>		TEMPERATURE - IN °F. <u>160</u>				
CODE NO.		TEMPERATURE - OUT °F. <u>1.80</u>				
CONNECTIONS: SUPPLY <u>2"</u> MPT		<u>2"</u> MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
PHYSICAL DATA		RATINGS				
SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING <u>5</u> °F. DRY BULB <u>40</u> °F. WET BULB				
SERIES <u>CH</u>		LEAVING <u>78.7</u> °F. DRY BULB <u>15</u> °F. WET BULB				
TYPE <u>2-ALUM</u>		TOTAL LOAD - BTU/HR. <u>180</u>				
ROWS & FINS <u>2</u>		FACE VELOCITY - FPM <u>1.80</u>				
CIRCUIT <u>2</u>		AIR FRICT. "WG <u>1.80</u>				
TUBE FACE <u>20 + 29</u>		STE				

CH-12.0AE-29.0 x 108.0-2-22

CH-12.0AE-37.4 x 108.0-2-22

MARK <u>AHU-4L</u>		B.F.CO. ORDER NO. <u>745-8396</u>		ACJ - 1000		
OFFICE NO. <u>49CN-225</u>		CUSTOMER NO.		SUPPLEMENT TO		
CUSTOMER <u>SIMPSON METAL INDUSTRIES COLLEGE POINT, NY</u>				ACJ - <u>1005</u>		
USER <u>SIMPSON METAL INDUSTRIES, BABYLON, N.Y.</u>				REVISION <u>B</u>		
ENGINEER <u>WILSOER TOWNSEND, CHICAGO</u>				DATE <u>10-6-76</u>		
FURNISH <u>1</u> SIZE <u>250</u> <u>HVDF</u> AIR HANDLING CABINET						
DRAW - THRU <input checked="" type="checkbox"/> BLOW - THRU <input type="checkbox"/>						
BLOWER ARR. FIG. <u>V</u> MOTOR POSITION <u>M-1</u>						
FLOOR MOUNTED <input checked="" type="checkbox"/> SUSPENDED <input type="checkbox"/>						
SPRAYED SECTION: R.H. <input type="checkbox"/> L.H. <input type="checkbox"/> INDOOR <input checked="" type="checkbox"/> OUTDOOR <input type="checkbox"/>						
FAN SECTION	TYPE <u>BLO</u> FAN RATING		MOTOR		V-BELT DRIVE (S.F. <u>1.5 AMP</u>)	
	SIZE <u>720</u> WHEEL DIA <u>36 1/2</u>		HP <u>25</u> RPM <u>1750</u>		TYPE <u>VAR.</u> CENTERS <u>25.1</u>	
	CFM <u>28950</u> OV <u>2102</u>		3 PH <u>60</u> HZ <u>230/240</u> VOLTS		NO <u>3</u> BELTS <u>B-81</u>	
	EXT SP. INT SP. TOTAL <u>2V4</u>		FRAME <u>284T</u> WEIGHT <u>330#</u>		MOTOR SHEAVE <u>5.5/6.9</u> P.D.	
	RPM <u>808</u> BHP <u>16.4</u>		ENCLOSURE <u>OPEN</u>		BORE <u>1 7/8</u> KW <u>1/2 x 1/4</u>	
HEATING COIL	MAX FAN RPM <u>1046</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>13.6</u> P.D.	
	BEARINGS		FURNISHED BY <u>B.F.CO.</u>		BORE <u>1 5/16</u> KW <u>1/2 x 1/4</u>	
	NO <u>2</u> SIZE <u>1 1/2 x 1 1/2</u>		MOUNTED BY <u>B.F.CO.</u>		DRIVE RANGE <u>708-888</u>	
	MAKE <u>FAIRBANKS</u> TYPE <u>LSAU</u>		SLIDE BASE		MAX RPM <u>932</u> LL HP <u>25</u>	
	BALL <input checked="" type="checkbox"/> ROLLER <input type="checkbox"/>		B.F.CO. <input checked="" type="checkbox"/> PURCH <input type="checkbox"/>		FURN. BY <u>B.F.CO.</u> MTD BY <u>B.F.CO.</u>	
BELT GUARD STD. BY B.F.CO. <input type="checkbox"/> SPEC BY B.F.CO. <input type="checkbox"/> OSHA BY B.F.CO. <input checked="" type="checkbox"/> BY OTHERS <input type="checkbox"/>						
COOLING COIL	PHYSICAL DATA		PRE-HEAT		RE-HEAT	
	SIZE <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L			
	SERIES <u>140</u>					
	TYPE <u>CH</u>					
	ROWS & FINS <u>2-ALUM</u>					
	PASS <u>2</u>					
	CASING HEIGHT <u>29 1/2</u>					
	TUBE LENGTH <u>9'-0"</u>					
	FACE AREA-SQ FT <u>43.6</u>					
	CODE NO.					
CONNECTIONS: SUPPLY <u>2"</u> MPT		MPT		CONNECTIONS: RETURN <u>2"</u> MPT		
DAMPERS	PHYSICAL DATA		RATINGS			
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING _____ °F. DRY BULB _____ °F. WET BULB			
	SERIES _____		LEAVING _____ °F. DRY BULB _____ °F. WET BULB			
	TYPE _____		TOTAL LOAD - BTU/HR _____			
	ROWS & FINS _____		FACE VELOCITY - FPM _____ AIR FRICT. "WG _____			
	CIRCUIT _____		DEHUMIDIFICATION LOAD - GRAINS _____			
	TUBE FACE _____		CHILLED _____ GPM _____			
	TUBE LENGTH _____		TEMP. IN _____ °F. - OUT _____ °F.			
	FACE AREA SQ FT _____		HEAD LOSS FT. _____			
	CODE NO. _____		FREON <input type="checkbox"/> R-12 <input type="checkbox"/> R-22 SUCTION TEMP. _____ °F			
TYPE DP _____		TONNAGE _____				
DAMPERS	STYLE		CONTROL DAMPER		BLADES	
	<input type="checkbox"/> A RETURN BYPASS ONLY		<input type="checkbox"/> CONTROL		<input type="checkbox"/> ZONE	
	<input type="checkbox"/> B FACE & MIXTURE BYPASS		<input type="checkbox"/> PARALLEL		<input type="checkbox"/>	
	<input type="checkbox"/> C FACE & RETURN BYPASS		<input type="checkbox"/> OPPOSED		<input type="checkbox"/>	
	<input type="checkbox"/> D FACE DAMPER ONLY		<input type="checkbox"/> LOW LEAKAGE		<input type="checkbox"/>	
<input type="checkbox"/> MIXING BOX ARR'G'T. NO. _____		<input type="checkbox"/> FELT EDGE		<input type="checkbox"/>		
<input type="checkbox"/> ZONE - DETAILS ON						
ACJ _____		NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS.				
DATE <u>8-27-74</u>		AIR HANDLING CABINET				
ISSUED BY <u>DNS (EGW)</u>		BUFFALO FORGE COMPANY-BUFFALO, N.Y., U.S.A.				
CHECKED BY <u>8-21-74 9-3-74</u>		ACJ - 1000				
		4-14-73 SUPERSEDES ACJ-1000 5-1-72				

CH-12.0AE-24.9 x 36.0-2-22

MARK AHU-1K B.F.CO. ORDER NO 745-8392 ACJ - 1000
OFFICE NO 492N-225 CUSTOMER NO. SC-71174 SUPPLEMENT TO
CUSTOMER SIMPSON METAL INDUSTRIES, COLLEGE POINT, N.Y. ACJ - 1001
USER SOUTHWEST SEWAGE, BABYLON, N.Y. REVISION B
ENGINEER CONSCOR TOWNSEND, CHICAGO DATE 10-12-76

FURNISH 1 SIZE 30 HV AIR HANDLING CABINET DRAW-THRU ☒
BLOWER ARR. FIG. B MOTOR POSITION M-5 FLOOR MOUNTED ☐ SUSPENDED ☒
SPRAYED SECTION: R.H. ☐ L.H. ☐ INDOOR ☐ OUTDOOR ☐

FAN SECTION		MOTOR		V-BELT DRIVE (S.F.)	
TYPE <u>HVA</u>	FAN RATING	HP <u>12</u>	RPM <u>1800</u>	TYPE <u>ADT</u>	CENTERS <u>19.3</u>
SIZE <u>150</u>	WHEEL DIA. <u>15"</u>	PH <u>60</u>	HZ <u>230/460</u>	NO <u>2</u>	BELTS <u>B 50</u>
CFM <u>3000</u>	OV <u>1634</u>	FRAME <u>145T</u>	WEIGHT	MOTOR SHEAVE <u>2.7/3.7</u>	P.D.
EXT SP. INT SP. TOTAL <u>1</u>	RPM <u>1200</u>	ENCLOSURE <u>OPEN</u>	MAKE <u>STOCK</u>	BORE <u>8</u>	KW <u>16</u> X <u>32</u>
MAX FAN RPM <u>1810</u>	BEARINGS	FURNISHED BY <u>BECO</u>	MOUNTED BY <u>CUST</u>	FAN SHEAVE <u>4.6</u>	P.D.
NO. <u>2</u>	SIZE <u>1 1/2"</u>	BELT GUARD STD. BY B.F.CO. <input checked="" type="checkbox"/>	SPEC. BY B.F.CO. <input type="checkbox"/> BY OTHERS <input type="checkbox"/>	BORE <u>1 1/2</u>	KW <u>4</u> X <u>8</u>
MAKE <u>FAIR</u>	TYPE <u>RCJ</u>			DRIVE RANGE <u>1027-1407</u>	
BALL <input checked="" type="checkbox"/>	ROLLER <input type="checkbox"/>			MAX. RPM <u>1407</u>	LL HP <u>12</u>
				FURN. BY <u>BECO</u>	MTD BY <u>CUS</u>

PHYSICAL DATA		PRE-HEAT	RE-HEAT	RATING		PRE-HEAT	RE-HEAT
SIZE	<input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> L	<input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> L	<input checked="" type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> L	ENTERING AIR TEMP. °F	<u>5</u>		
SERIES	<u>140</u>			LEAVING AIR TEMP. °F	<u>85</u>		
TYPE	<u>CH</u>			TOTAL LOAD BTU/HR			
ROWS & FINS	<u>2-ALUM</u>			FACE VELOCITY - FPM	<u>556</u>		
PASS	<u>2</u>			AIR FRICTION "WG	<u>.21</u>		
CASING HEIGHT	<u>24 1/2"</u>			STEAM PRESSURE - PSIG			
TUBE LENGTH	<u>3'-0"</u>			HOT WATER - GPM	<u>21</u>		
FACE AREA - SQ. FT.	<u>5.4</u>			TEMPERATURE - IN °F	<u>180</u>		
CODE NO <u>(1) PCCH-2536142</u>				TEMPERATURE - OUT °F			
CONNECTIONS: SUPPLY	<u>2"</u> MPT			HEAD LOSS - FT.	<u>.91</u>		
CONNECTIONS: RETURN	<u>2"</u> MPT						

PHYSICAL DATA		RATINGS	
SIZE - <input type="checkbox"/> S <input checked="" type="checkbox"/> M <input type="checkbox"/> L	CONNECTIONS	ENTERING °F DRY BULB	°F WET BUL
SERIES	SUPPLY	LEAVING °F DRY BULB	°F WET BUL
TYPE	RETURN	TOTAL LOAD - BTU/HR.	
ROWS & FINS	VENT	FACE VELOCITY - FPM	AIR FRIC. "WG
CIRCUIT	DRAIN	DEHUMIDIFICATION LOAD - GRAINS	
TUBE FACE		CHILLED	GPM
TUBE LENGTH		WATER	TEMP. IN °F - OUT °F
FACE AREA SQ. FT.		TYPE C	HEAD LOSS FT.
CODE NO		FREON	<input type="checkbox"/> R-12 SUCTION TEMP. °F
		TYPE DP	<input type="checkbox"/> R-22 TONNAGE

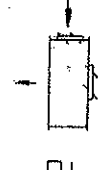
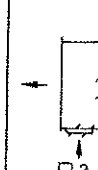

STYLE	CONTROL DAMPER	BLADES		MIXING BOX DAMPER ARRANGEMENT		
<input type="checkbox"/> A	RETURN BYPASS ONLY	CONTROL	ZONE			
<input type="checkbox"/> B	FACE & MIXTURE BYPASS	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/> C	FACE & RETURN BYPASS	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/> D	FACE DAMPER ONLY	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	MIXING BOX ARR'G'T. NO.	<input type="checkbox"/>	<input type="checkbox"/>			
<input type="checkbox"/>	ZONE - DETAILS ON	<input type="checkbox"/>	<input type="checkbox"/>			
	ACJ					

NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS.

DATE 9-3-74 AIR HANDLING CABINET ACJ - 1000
ISSUED BY S. SUBA BUFFALO FORGE COMPANY - BUFFALO, N.Y., U.S.A. 8-1-72
CHECKED BY NEW

SEE SKETCH ON ACJ-1000

CH-12.0AE-20.6 x 36.0-2-22

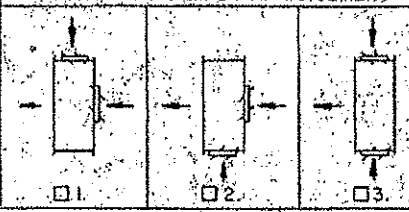
MARK <u>AHU-1M</u>		B.F.CO ORDER NO <u>74S-8381</u>		ACJ - 1000			
OFFICE NO <u>49 CN-225</u>		CUSTOMER NO <u>52-71174</u>		SUPPLEMENT TO			
CUSTOMER <u>SIMPSON METAL INDUSTRIES, COLLEGE POINT, N.Y.</u>		USER <u>SOUTHWEST SEWAGE BABYLON, N.Y.</u>		ACJ - <u>1001</u>			
ENGINEER <u>CONSOER TOWNSEND, CHICAGO</u>		REVISION <u>B</u>		DATE <u>10-13-76</u>			
FURNISH <u>L</u> SIZE <u>30</u> <u>HV</u> AIR HANDLING CABINET				DRAW - THRU <input checked="" type="checkbox"/> BLOW - THRU <input type="checkbox"/>			
BLOWER ARR. FIG <u>B</u> MOTOR POSITION <u>M-5</u>				FLOOR MOUNTED <input type="checkbox"/> SUSPENDED <input checked="" type="checkbox"/>			
SPRAYED SECTION: R.H. <input type="checkbox"/> L.H. <input type="checkbox"/>				INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/>			
FAN SECTION	TYPE <u>HVA</u> FAN RATING		MOTOR		V-BELT DRIVE (S.F. <u>1.5</u>)		
	SIZE <u>150</u> WHEEL DIA. <u>15"</u>		HP <u>1</u> RPM <u>1800</u>		TYPE <u>ADJ</u> CENTERS <u>20.1</u>		
	CFM <u>2000</u> OV <u>1089</u>		3 PH <u>60</u> HZ <u>230/460</u> VOLTS		NO. <u>1</u> BELTS <u>A53</u>		
	EXT SP. INT SP. TOTAL <u>1"</u>		FRAME <u>143T</u> WEIGHT		MOTOR SHEAVE <u>2.8/3.8</u> P.D.		
	RPM <u>1091</u> BHP <u>.5</u>		ENCLOSURE <u>OPEN</u>		BORE <u>6</u> KW <u>1.6</u>		
HEATING COIL	MAX FAN RPM <u>1810</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>5.2</u> P.D.		
	BEARINGS		FURNISHED BY <u>BFCO</u>		BORE <u>1 1/2</u> KW <u>4.6</u>		
	NO <u>2</u> SIZE <u>1 1/2"</u>		MOUNTED BY <u>CUST</u>		DRIVE RANGE <u>942-1278</u>		
	MAKE <u>FAFNIR</u> TYPE <u>RCJ</u> EXT. FLO. AUTO		BELT GUARD STD. BY B.F.CO. <input checked="" type="checkbox"/>		MAX RPM <u>1278</u> LL HP <u>1</u>		
	BALL <input checked="" type="checkbox"/> ROLLER <input type="checkbox"/>		SPEC BY B.F.CO. <input type="checkbox"/> BY OTHERS <input type="checkbox"/>		FURN. BY <u>BFCO</u> MTD BY <u>CUST</u>		
COOLING COIL	PHYSICAL DATA		PRE-HEAT	RE-HEAT	RATING	PRE-HEAT	RE-HEAT
	SIZE <u>140</u>		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	ENTERING AIR TEMP. °F	<u>5</u>	
	SERIES <u>CH</u>				LEAVING AIR TEMP. °F	<u>85</u>	
	TYPE <u>2-ALUM</u>				TOTAL LOAD BTU/HR	<u>496</u>	
	ROWS & FINS <u>2</u>				FACE VELOCITY - FPM	<u>15</u>	
	PASS <u>20 1/2"</u>				AIR FRICTION "WG	<u>14</u>	
	CASING HEIGHT <u>3'-0"</u>				STEAM PRESSURE - PSIG	<u>180</u>	
	TUBE LENGTH <u>4.03</u>				HOT WATER - GPM	<u>.75</u>	
	FACE AREA - SQ. FT. <u>2036142</u>				TEMPERATURE - IN °F		
	CODE NO <u>(U) PCCCH 2036142</u>				TEMPERATURE - OUT °F		
DAMPERS	CONNECTIONS, SUPPLY <u>2" MPT</u>		RETURN <u>2" MPT</u>		HEAD LOSS - FT.		
	PHYSICAL DATA		CONNECTIONS		RATINGS		
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		SUPPLY		ENTERING <u>°F</u> DRY BULB <u>°F</u> WET BULB		
	SERIES		RETURN		LEAVING <u>°F</u> DRY BULB <u>°F</u> WET BULB		
	TYPE		VENT		TOTAL LOAD - BTU/HR.		
	ROWS & FINS		DRAIN		FACE VELOCITY - FPM		
	CIRCUIT				AIR FRIC. "WG		
	TUBE FACE				DEHUMIDIFICATION LOAD - GRAINS		
	TUBE LENGTH				CHILLED		
	FACE AREA SQ. FT.				WATER		
CODE NO				TEMP: IN <u>°F</u> - OUT <u>°F</u>			
				HEAD LOSS FT.			
				FREON			
				TYPE C			
				TYPE DP			
				SUCTION TEMP. <u>°F</u>			
				TONNAGE			
STYLE		CONTROL DAMPER		BLADES		MIXING BOX DAMPER ARRANGEMENT	
<input type="checkbox"/> A RETURN BYPASS ONLY		<input type="checkbox"/> CONTROL		<input type="checkbox"/> PARALLEL			
<input type="checkbox"/> B FACE & MIXTURE BYPASS		<input type="checkbox"/> SUPPLY		<input type="checkbox"/> OPPOSED			
<input type="checkbox"/> C FACE & RETURN BYPASS		<input type="checkbox"/> RETURN		<input type="checkbox"/> LOW LEAKAGE			
<input type="checkbox"/> D FACE DAMPER ONLY		<input type="checkbox"/> VENT		<input type="checkbox"/> FELT EDGE			
<input type="checkbox"/> MIXING BOX ARR'G'T NO.		<input type="checkbox"/> DRAIN					
<input type="checkbox"/> ZONE - DETAILS ON							
<input type="checkbox"/> ACJ							
NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS.							
DATE <u>9-3-74</u>				AIR HANDLING CABINET		ACJ - 1000	
DESIGNED BY <u>S. SUBA</u>				BUFFALO FORGE COMPANY - BUFFALO, N.Y., U.S.A.		6-1-72	
CHECKED BY						NEW	

CH-12.0AE-29.0 x 102.0-2-22

CH-12.0AE-37.4 x 102-2-22

MARK <u>AHU-1J</u>		B.F.CO. ORDER NO. <u>745-8390</u>		ACJ - 1000				
OFFICE NO. <u>4KN-225</u>		CUSTOMER NO.		SUPPLEMENT TO				
CUSTOMER <u>SIMPSON METAL INDUSTRIES, COLLEGE POINT, N.Y.</u>				ACJ - 1005				
USER <u>SIMPSON METAL INDUSTRIES, BERGER PT, BABYLON, N.Y.</u>				REVISION <u>D</u>				
ENGINEER <u>CONSOER TOWNSEND, CHICAGO</u>				DATE <u>12-30-74</u>				
FURNISH <u>1</u> SIZE <u>210</u> <u>HVOF</u> AIR HANDLING CABINET				DRAW-THRU <input checked="" type="checkbox"/>				
				BLOW-THRU <input type="checkbox"/>				
BLOWER ARR FIG <u>T</u> MOTOR POSITION <u>M1</u>		FLOOR MOUNTED <input checked="" type="checkbox"/>		SUSPENDED <input type="checkbox"/>				
SPRAYED SECTION R.H. <input type="checkbox"/> L.H. <input type="checkbox"/>		INDOOR <input checked="" type="checkbox"/>		OUTDOOR <input type="checkbox"/>				
FAN SECTION	TYPE <u>ELC</u> FAN RATING		MOTOR		V-BELT DRIVE (S.F. <u>1.5</u>)			
	SIZE <u>600</u> WHEEL DIA <u>33</u>		HP <u>15</u> RPM <u>1800</u>		TYPE <u>VAR.</u> CENTERS <u>36.1</u>			
	CFM <u>24000</u> OV <u>2307</u>		<u>3</u> PH <u>60</u> HZ <u>230/460</u> VOLTS		NO. <u>2</u> BELTS <u>B97783UE</u>			
	EXT SP. INT SP. TOTAL <u>1 3/4</u>		FRAME <u>254T</u> WEIGHT <u>220#</u>		MOTOR SHEAVE <u>4.5/5.9</u> P.D.			
	RPM <u>903</u> BHP <u>13.6</u>		ENCLOSURE <u>OPEN</u>		BORE <u>1 5/8</u> KW <u>3/8 x 3/16</u>			
	MAX FAN RPM <u>1157</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>11.0</u> P.D.			
	BEARINGS <u>D</u>		FURNISHED BY <u>B.F. Co.</u>		BORE <u>1 1/4</u> KW <u>3/8 x 3/16</u>			
	NO. <u>2</u> SIZE <u>1 1/16</u>		MOUNTED BY <u>B.F. Co.</u>		DRIVE RANGE <u>716-939</u>			
	MAKE <u>LINKBELT</u> TYPE <u>PB22400H</u>		SLIDE BASE		MAX. RPM <u>930</u> LL HP <u>15</u>			
	BALL <input type="checkbox"/> ROLLER <input checked="" type="checkbox"/>		B.F. CO. <input checked="" type="checkbox"/> PURCH. <input type="checkbox"/>		FURN. BY <u>B.F. Co.</u> MTD BY <u>B.F. Co.</u>			
BELT GUARD STD. BY B.F.CO. <input type="checkbox"/> SPEC. BY B.F.CO. <input type="checkbox"/> OSHA BY B.F.CO. <input checked="" type="checkbox"/> BY OTHERS <input type="checkbox"/>								
HEATING COIL	PHYSICAL DATA		PRE-HEAT	RE-HEAT	RATING	PRE-HEAT	RE-HEAT	
	SIZE <u>140</u>		<input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> L	<input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	ENTERING AIR TEMP °F <u>5</u>	<u>5</u>		
	SERIES <u>CH</u>				LEAVING AIR TEMP °F <u>45</u>	<u>45</u>		
	TYPE <u>2/AL</u>				TOTAL LOAD BTU/HR <u>632</u>			
	ROWS & FINS <u>2</u>				FACE VELOCITY - FPM <u>22</u>			
	PASS <u>2</u>				AIR FRICTION "WG <u>1.22</u>			
	CASING HEIGHT <u>29.37</u>				STEAM PRESSURE - PSIG <u>112</u>			
	TUBE LENGTH <u>81.6"</u>				HOT WATER - GPM <u>180</u>			
	FACE AREA - SQ FT <u>41.15</u>				TEMPERATURE - IN °F <u>180</u>			
	CODE NO.				TEMPERATURE - OUT °F <u>160</u>			
CONNECTIONS: SUPPLY <u>2" MPT</u>		<u>2" MPT</u>		CONNECTIONS: RETURN <u>2" MPT</u>		<u>2" MPT</u>		
COOLING COIL	PHYSICAL DATA		CONNECTIONS		RATINGS			
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		SUPPLY		ENTERING °F DRY BULB °F WET BULB			
	SERIES		RETURN		LEAVING °F DRY BULB °F WET BULB			
	TYPE		VENT		TOTAL LOAD - BTU/HR.			
	ROWS & FINS		DRAIN		FACE VELOCITY - FPM AIR FRIC. "WG			
	CIRCUIT				DEHUMIDIFICATION LOAD - GRAINS			
	TUBE FACE				CHILLED			
	TUBE LENGTH				WATER			
	FACE AREA SQ FT				TEMP: IN °F - OUT °F			
	CODE NO.				HEAD LOSS FT.			
				FREON <input type="checkbox"/> R-12 <input type="checkbox"/> R-22				
				SUCTION TEMP. °F				
				TONNAGE				
DAMPERS	STYLE		CONTROL DAMPER		BLADES		MIXING BOX DAMPER ARRANGEMENT	
	<input type="checkbox"/> A RETURN BYPASS ONLY				CONTROL		ZONE	
	<input type="checkbox"/> B FACE & MIXTURE BYPASS				<input type="checkbox"/> PARALLEL <input type="checkbox"/>		<input type="checkbox"/>	
	<input type="checkbox"/> C FACE & RETURN BYPASS				<input type="checkbox"/> OPPOSED <input type="checkbox"/>		<input type="checkbox"/>	
	<input type="checkbox"/> D FACE DAMPER ONLY				<input type="checkbox"/> LOW LEAKAGE <input type="checkbox"/>		<input type="checkbox"/>	
	<input type="checkbox"/> MIXING BOX ARR'G'T NO.				<input type="checkbox"/> FELT EDGE <input type="checkbox"/>		<input type="checkbox"/>	
	<input type="checkbox"/> ZONE - DETAILS ON						<input type="checkbox"/> 1. <input type="checkbox"/> 2. <input type="checkbox"/> 3.	
	<input type="checkbox"/> ACJ							
DATE <u>8-27-74</u>		AIR HANDLING CABINET		ACJ - 1000				
ISSUED BY <u>S.D.</u>		BUFFALO FORGE COMPANY - BUFFALO, N.Y., U.S.A.		4-14-73				
CHECKED BY <u>B.W. (Egw)</u>				SUPERSEDES				
				ACJ-1000				

CH-12.OAE-24.9 X 36.0-0-2-1

MARK <u>AHU-7A</u>		B.F.CO. ORDER NO. <u>74S-8378</u>		ACJ - 1000	
OFF. CE NO. <u>49CN-225</u>		CUSTOMER NO. <u>5C-71174</u>		SUPPLEMENT TO	
CUSTOMER <u>SIMPSON METAL INDUSTRIES, COLLEGE POINT, N.Y.</u>				ACJ - <u>1001</u>	
USER <u>SOUTHWEST SEWAGE, BABYLON, N.Y.</u>				REVISION <u>B</u>	
ENGINEER <u>CONSOER TOWNSEND, CHICAGO</u>				DATE <u>12-5-76</u>	
FURNISH <u>1</u> SIZE <u>30</u> HV AIR HANDLING CABINET				DRAW-THRU <input checked="" type="checkbox"/> BLOW-THRU <input type="checkbox"/>	
BLOWER ARR. FIG. <u>A</u> MOTOR POSITION <u>M-3</u>				FLOOR MOUNTED <input checked="" type="checkbox"/> SUSPENDED <input type="checkbox"/>	
SPRAYED SECTION: R.H. <input type="checkbox"/> L.H. <input type="checkbox"/>				INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/>	
FAN SECTION	TYPE <u>HVA</u> FAN RATING		MOTOR		V. BELT DRIVE (S.F. <u>1.5</u>)
	SIZE <u>150</u> WHEEL DIA. <u>15"</u>		HP <u>12</u> RPM <u>1800</u>		TYPE <u>ADJ</u> CENTERS <u>20.9</u>
	CFM <u>3000</u> OV <u>1634</u>		3 PH <u>60</u> HZ <u>230</u> VOLTS		NO. <u>2</u> BELTS <u>B-58</u>
	EXT. SP. INT. SP. TOTAL <u>14"</u>		FRAME <u>145T</u> WEIGHT		MOTOR SHEAVE <u>2 7/8</u> P.D.
	RPM <u>1299</u> BHP <u>1.1</u>		ENCLOSURE <u>OPEN</u>		BORE <u>6</u> KW <u>1 1/2</u>
	MAX. FAN RPM <u>1810</u>		MAKE <u>STOCK</u>		FAN SHEAVE <u>4.4</u> P.D.
HEATING COIL	BEARINGS		FURNISHED BY <u>BECO</u>		BORE <u>1 1/2</u> KW <u>4 1/8</u>
	NO. <u>2</u> SIZE <u>1 1/2"</u>		MOUNTED BY <u>CUST.</u>		DRIVE RANGE <u>1073-1471</u>
	MAKE <u>FAFNR</u> TYPE <u>RCJ</u> EXT. FLG. <u>MTD.</u>		BELT GUARD STD. BY B.F.CO. <input checked="" type="checkbox"/>		MAX. RPM <u>1471</u> LL HP <u>12</u>
	BALL <input checked="" type="checkbox"/> ROLLER <input type="checkbox"/>		SPEC. BY B.F.CO. <input type="checkbox"/> BY OTHERS <input type="checkbox"/>		FURN. BY <u>BECO</u> MTD. BY <u>CUST.</u>
	PHYSICAL DATA		PRE-HEAT	RE-HEAT	RATING
	SIZE <u>140</u>		<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	<input checked="" type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L	ENTERING AIR TEMP. °F. <u>5</u>
SERIES <u>CH</u>				LEAVING AIR TEMP. °F. <u>88</u>	
TYPE <u>2-ALUM</u>				TOTAL LOAD - BTU/HR. <u>556</u>	
ROWS & FINS <u>2</u>				FACE VELOCITY - FPM. <u>21</u>	
PASS <u>24 3/8"</u>				AIR FRICTION - "WG. <u>2.7</u>	
CASING HEIGHT <u>3'-0"</u>				STEAM PRESSURE - PSIG. <u>200</u>	
TUBE LENGTH <u>5.4</u>				HOT WATER - GPM. <u>1.60</u>	
FACE AREA - SQ. FT. <u>5.4</u>				TEMPERATURE - IN °F. <u>200</u>	
CODE NO. <u>(U) PCCH-2536142</u>				TEMPERATURE - OUT °F. <u>1.60</u>	
HEAD LOSS - FT. <u>1.60</u>					
CONNECTIONS: SUPPLY <u>2" MPT</u>		RETURN <u>2" MPT</u>			
COOLING COIL	PHYSICAL DATA		RATINGS		
	SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input type="checkbox"/> L		ENTERING °F. DRY BULB °F. WET BULB		
	SERIES		LEAVING °F. DRY BULB °F. WET BULB		
	TYPE		TOTAL LOAD - BTU/HR.		
	ROWS & FINS		FACE VELOCITY - FPM. AIR FRICT. "WG.		
	CIRCUIT		DEHUMIDIFICATION LOAD - GRAINS		
TUBE FACE		CHILLED	GPM		
TUBE LENGTH		WATER	TEMP. IN. °F. - OUT. °F.		
FACE AREA SQ. FT.		TYPE - C	HEAD LOSS FT.		
CODE NO.		FRÉON	SUCTION TEMP. °F.		
		TYPE - DP	TONNAGE		
DAMPERS	STYLE		CONTROL DAMPER		BLADES
	<input type="checkbox"/> A RETURN BYPASS ONLY		<input type="checkbox"/> B FACE & MIXTURE BYPASS		CONTROL
	<input type="checkbox"/> C FACE & RETURN BYPASS		<input type="checkbox"/> D FACE DAMPER ONLY		ZONE
	<input type="checkbox"/> E MIXING BOX ARR'G. T. NO.		<input type="checkbox"/> F ZONE - DETAILS ON ACJ		
				MIXING BOX DAMPER ARRANGEMENT	
					
				NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS.	
DATE <u>9-3-74</u>		AIR HANDLING CABINET		ACJ - 1000	
ISSUED BY <u>S. SUBA</u>		BUFFALO FORGE COMPANY - BUFFALO, N.Y. U.S.A.		6-1-72	
CHECKED BY				NEW	

CH-12.OAE-29.0 X 42.0-2-1

WORK <u>AH-13A</u> B F CO ORDER NO. <u>74S-8374</u> OFFICE NO. <u>4921-225</u> CUSTOMER NO. <u>SC-71174</u> CUSTOMER <u>SAINT JOHN METAL INDUSTRIES COLLEGE POINT N.Y.</u> USER <u>SOUTHWICH SEWAGE, BABYLON, N.Y.</u> ENGINEER <u>CONRODER TOWNSEND, CHICAGO</u>		ACJ - 1000 SUPPLEMENT TO ACJ - 1006 REVISION <u>B</u> DATE <u>10-8-76</u>		
FAN SIZE <u>40</u> <u>PC</u> AIR HANDLING CABINET DRAW - THRU <input checked="" type="checkbox"/> BLOW - THRU <input type="checkbox"/>				
BLOWER ARR FIG. <u>E</u> MOTOR POSITION <u>M-7</u> FLOOR MOUNTED <input checked="" type="checkbox"/> SUSPENDED <input type="checkbox"/> SPRAYED SECTION: R.H. <input type="checkbox"/> L.H. <input type="checkbox"/> INDOOR <input type="checkbox"/> OUTDOOR <input type="checkbox"/>				
FAN SECTION	TYPE <u>HVA</u> FAN RATING SIZE <u>180</u> WHEEL DIA. <u>18 3/4"</u> CFM <u>4500</u> OV. <u>1572</u> EXT SP. INT. SP. TOTAL <u>2.0</u> RPM <u>1187</u> BHP <u>2.3</u> MAX FAN RPM <u>1365</u> BEARINGS NO. <u>2</u> SIZE <u>1 1/2</u> MAKE <u>EAFMR</u> TYPE <u>RCJ</u> EXT. <u>FLS</u> BALL <input checked="" type="checkbox"/> ROLLER <input type="checkbox"/> MTD		MOTOR HP <u>3</u> RPM <u>1800</u> <u>3</u> PH <u>60</u> HZ <u>230/460</u> VOLTS FRAME <u>182T</u> WEIGHT ENCLOSURE <u>OPEN</u> MAKE <u>STOCK</u> FURNISHED BY <u>BFCO</u> MOUNTED BY <u>CUST</u> BELT GUARD <input type="checkbox"/> STD BY B F CO. <input checked="" type="checkbox"/> SPEC BY B F CO. <input type="checkbox"/> BY OTHERS <input type="checkbox"/>	
	V-BELT DRIVE (S.F. <u>1.5</u>) TYPE <u>ADJ</u> CENTERS <u>27 1/2</u> NO. <u>2</u> BELTS <u>E-32</u> MOTOR SHEAVE <u>3.7/4.7</u> P.D. BORE <u>1 1/2</u> KW <u>4 1/2</u> FAN SHEAVE <u>6.4</u> P.D. BORE <u>1 1/2</u> KW <u>4 1/2</u> DRIVE RANGE <u>1011-1285</u> MAX RPM <u>1285</u> LL HP <u>3</u> FURN. BY <u>BFCO</u> MTD. BY <u>CUST</u>			
	PHYSICAL DATA SIZE SERIES TYPE ROWS & FINS PASS CASING HEIGHT TUBE LENGTH FACE AREA - SQ FT CODE NO. <u>UPCH-2942142</u>		PRE-HEAT RE-HEAT RATING ENTERING AIR TEMP. °F. LEAVING AIR TEMP. °F. TOTAL LOAD BTU/HR FACE VELOCITY - FPM AIR FRICTION "WG STEAM PRESSURE - PSIG HOT WATER - GPM TEMPERATURE - IN °F. TEMPERATURE - OUT °F. HEAD LOSS - FT.	
	CONNECTIONS, SUPPLY <u>2" MPT</u> RETURN <u>2" MPT</u>		PRE-HEAT RE-HEAT	
	PHYSICAL DATA SIZE - <input type="checkbox"/> S <input type="checkbox"/> M <input checked="" type="checkbox"/> L SERIES <u>80</u> TYPE <u>C</u> ROWS & FINS <u>2-ALUM</u> CIRCUIT <u>1/2</u> TUBE FACE <u>21</u> TUBE LENGTH <u>3'-6"</u> FACE AREA SQ FT <u>8.29</u> CODE NO. <u>USE DCL 214292</u>		CONNECTIONS SUPPLY <u>2" MPT</u> RETURN <u>2" MPT</u> VENT. <u>3 IPS</u> DRAIN <u>3 IPS</u> RATING ENTERING <u>91</u> °F DRY BULB <u>77</u> °F WET BULB LEAVING <u>76</u> °F DRY BULB <u>73</u> °F WET BULB TOTAL LOAD - BTU/HR FACE VELOCITY - FPM <u>543</u> AIR FRIC. "WG <u>.20</u> DEHUMIDIFICATION LOAD - GRAINS CHILLED WATER TYPE C FREON TYPE DP GPM <u>14</u> TEMP. IN <u>45</u> °F - OUT <u>55</u> °F HEAD LOSS FT. <u>1.5</u> <input type="checkbox"/> R-12 SUCTION TEMP. °F <input type="checkbox"/> R-22 TONNAGE	
DAMPERS	STYLE CONTROL DAMPER <input type="checkbox"/> A RETURN BYPASS ONLY <input type="checkbox"/> B FACE & MIXTURE BYPASS <input type="checkbox"/> C FACE & RETURN BYPASS <input type="checkbox"/> D FACE DAMPER ONLY <input type="checkbox"/> E MIXING BOX ARR'G'T NO ZONE - DETAILS ON ACJ		BLADES CONTROL ZONE <input type="checkbox"/> PARALLEL <input type="checkbox"/> <input type="checkbox"/> OPPOSED <input type="checkbox"/> <input type="checkbox"/> LOW LEAKAGE <input type="checkbox"/> <input type="checkbox"/> FELT EDGE <input type="checkbox"/>	
	MIXING BOX DAMPER ARRANGEMENT 		NOTE: MOTOR, MOTOR BRACKET & LINKAGE FURNISHED & MOUNTED BY OTHERS.	
	DATE <u>9-3-74</u> DESIGNED BY <u>S. SUPA</u> CHECKED BY		AIR HANDLING CABINET BUFFALO FORGE COMPANY - BUFFALO, N.Y., U.S.A.	
		ACJ - 1000 6-1-72 NEW		

FILTER BOX <input type="checkbox"/> FLAT <input type="checkbox"/> ANGLE <input type="checkbox"/> STD. <input type="checkbox"/> HI-CAP <input type="checkbox"/> FACE LOADED <input type="checkbox"/> CUBE - MED. <input type="checkbox"/> HIGH <input type="checkbox"/> ROLL-SEE SPEC. FEATURES DOOR LOCATION - <input type="checkbox"/> MOTOR END <input type="checkbox"/> OPP. MOTOR		FILTER CELLS NUMBER _____ SIZE _____ MAKE _____ TYPE _____ MAXIMUM CFM _____		VIBRATION ISOLATORS NO. & TYPE <u>B</u> <u>6-03NH</u> <u>1" DEF</u> MAKE <u>VE CO</u> FURNISHED BY <u>BECO</u> MOUNTED BY <u>CUST</u>		INTERNAL INSULATION TYPE <u>FIBERGLASS</u> COATING <u>NEOPRENE</u> THICKNESS <u>1"</u> DENSITY <u>6#</u> SECTIONS INSULATED: <u>WELD</u> <input checked="" type="checkbox"/> BLOWER <input checked="" type="checkbox"/> COIL <u>PINS</u> <input checked="" type="checkbox"/> OTHER <u>PLENUM</u>	
<input type="checkbox"/> FLEXIBLE CONNECTION - FURNISHED BY <input type="checkbox"/> BUFFALO FORGE CO. <input type="checkbox"/> CUSTOMER				MOUNTED BY OTHERS			
SPRAY PUMP TYPE _____ SIZE _____ GPM _____ HEAD _____ FURNISHED BY _____		CONNECTIONS SUCTION _____ DISCHARGE _____ ARRANGEMENT _____ DISCHARGE _____ ROTATION _____		MOTOR DATA HP _____ RPM _____ PH _____ HZ _____ VOLT _____			
CABINET: <input checked="" type="checkbox"/> ASSEMBLED <input type="checkbox"/> KNOCKDOWN <input type="checkbox"/> IN _____ SECTIONS							
COIL SHIPPED: <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> IN UNIT. MOTOR SHIPPED: <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> WITH UNIT. ISOLATORS SHIPPED: <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> WITH UNIT. FILTER CELLS SHIPPED: <input type="checkbox"/> DIRECT <input type="checkbox"/> WITH UNIT. TOTAL CABINET WEIGHT <u>1150#</u> (NO WATER)							
SPECIAL FEATURES: <u>BELT GUARD - WELD PINS W/ PLATES FOR INSUL</u> <u>INSULATED PANS IN BLOWER & COOLING COIL SECTION (1) COAT OF DUPONT</u> <u>CELLAR EPOXY PRIME #825-EC314 (1) COAT HI-BUILD #823-5080 (GRAY)</u> <u>INTERIOR # EXTERIOR OF FAN HOUSING & WHEEL - RIGID BOARD</u> <u>INSULATION IN FLOOR BOTTOM OF 28" HTG. / PLENUM SECTION (B)</u>							

FILTER BOX <input type="checkbox"/> FLAT <input type="checkbox"/> ANGLE <input type="checkbox"/> STD <input type="checkbox"/> HI-CAP <input type="checkbox"/> FACE LOADED <input type="checkbox"/> CUBE - MED <input type="checkbox"/> HIGH <input type="checkbox"/> <input type="checkbox"/> ROLL-SEE SPEC. FEATURES DOOR LOCATION - <input type="checkbox"/> MOTOR END <input type="checkbox"/> OPP. MOTOR		FILTER CELLS NUMBER _____ SIZE _____ MAKE _____ TYPE _____ MAXIMUM CFM _____		VIBRATION ISOLATORS NO. / TYPE <u>4 / 8</u> <u>OSN</u> MAKE <u>SPRING-1 DEEL</u> MAKE <u>VE CO.</u> FURNISHED BY <u>BFCO</u> MOUNTED BY <u>CUST</u>		INTERNAL INSULATION TYPE <u>FIBERGLASS</u> COATING <u>NEOPRENE</u> THICKNESS <u>1"</u> DENSITY <u>6*</u> SECTIONS <u>INSULATED</u> <input type="checkbox"/> BLOWER <input checked="" type="checkbox"/> COIL <input checked="" type="checkbox"/> WELD PINS <input type="checkbox"/> OTHER	
<input type="checkbox"/> FLEXIBLE CONNECTION - FURNISHED BY <input type="checkbox"/> BUFFALO FORGE CO. <input type="checkbox"/> CUSTOMER MOUNTED BY OTHERS							
PUMP DATA	SPRAY PUMP TYPE _____ SIZE _____ GPM _____ HEAD _____ FURNISHED BY _____		CONNECTIONS SUCTION _____ DISCHARGE _____ ARRANGEMENT _____ DISCHARGE _____ ROTATION _____		MOTOR DATA HP _____ RPM _____ PH _____ HZ _____ VOLT _____		
	CABINET: <input checked="" type="checkbox"/> ASSEMBLED <input type="checkbox"/> KNOCKDOWN <input type="checkbox"/> IN _____ SECTIONS						
	COIL SHIPPED: <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> IN UNIT MOTOR SHIPPED: <input type="checkbox"/> DIRECT <input checked="" type="checkbox"/> WITH UNIT						
	ISOLATORS SHIPPED: <input checked="" type="checkbox"/> DIRECT <input type="checkbox"/> WITH UNIT FILTER CELLS SHIPPED: <input type="checkbox"/> DIRECT <input type="checkbox"/> WITH UNIT						
	TOTAL CABINET WEIGHT <u>450*</u> (NO WATER)						
SPECIAL FEATURES	BELT GUARD ~ WELD PINS ~ PLATES FOR INSUL ~						
	(1) COAT OF DUPONT CORLAR EPOXY PRIME # 825-8001 (1) COAT HI-BUILD						
	# 823-5080 (GRAY) ON EXTERIOR & INTERIOR OF FAN HOUSINGS						
	& WHEELS ~						
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <p>REVISIONS</p> <p>1. 10-15-70</p> <p>2. 10-15-70</p> <p>3. 10-15-70</p> <p>4. 10-15-70</p> <p>5. 10-15-70</p> <p>6. 10-15-70</p> <p>7. 10-15-70</p> <p>8. 10-15-70</p> <p>9. 10-15-70</p> <p>10. 10-15-70</p> <p>11. 10-15-70</p> <p>12. 10-15-70</p> <p>13. 10-15-70</p> <p>14. 10-15-70</p> <p>15. 10-15-70</p> <p>16. 10-15-70</p> <p>17. 10-15-70</p> <p>18. 10-15-70</p> <p>19. 10-15-70</p> <p>20. 10-15-70</p> <p>21. 10-15-70</p> <p>22. 10-15-70</p> <p>23. 10-15-70</p> <p>24. 10-15-70</p> <p>25. 10-15-70</p> <p>26. 10-15-70</p> <p>27. 10-15-70</p> <p>28. 10-15-70</p> <p>29. 10-15-70</p> <p>30. 10-15-70</p> <p>31. 10-15-70</p> <p>32. 10-15-70</p> <p>33. 10-15-70</p> <p>34. 10-15-70</p> <p>35. 10-15-70</p> <p>36. 10-15-70</p> <p>37. 10-15-70</p> <p>38. 10-15-70</p> <p>39. 10-15-70</p> <p>40. 10-15-70</p> <p>41. 10-15-70</p> <p>42. 10-15-70</p> <p>43. 10-15-70</p> <p>44. 10-15-70</p> <p>45. 10-15-70</p> <p>46. 10-15-70</p> <p>47. 10-15-70</p> <p>48. 10-15-70</p> <p>49. 10-15-70</p> <p>50. 10-15-70</p> <p>51. 10-15-70</p> <p>52. 10-15-70</p> <p>53. 10-15-70</p> <p>54. 10-15-70</p> <p>55. 10-15-70</p> <p>56. 10-15-70</p> <p>57. 10-15-70</p> <p>58. 10-15-70</p> <p>59. 10-15-70</p> <p>60. 10-15-70</p> <p>61. 10-15-70</p> <p>62. 10-15-70</p> <p>63. 10-15-70</p> <p>64. 10-15-70</p> <p>65. 10-15-70</p> <p>66. 10-15-70</p> <p>67. 10-15-70</p> <p>68. 10-15-70</p> <p>69. 10-15-70</p> <p>70. 10-15-70</p> <p>71. 10-15-70</p> <p>72. 10-15-70</p> <p>73. 10-15-70</p> <p>74. 10-15-70</p> <p>75. 10-15-70</p> <p>76. 10-15-70</p> <p>77. 10-15-70</p> <p>78. 10-15-70</p> <p>79. 10-15-70</p> <p>80. 10-15-70</p> <p>81. 10-15-70</p> <p>82. 10-15-70</p> <p>83. 10-15-70</p> <p>84. 10-15-70</p> <p>85. 10-15-70</p> <p>86. 10-15-70</p> <p>87. 10-15-70</p> <p>88. 10-15-70</p> <p>89. 10-15-70</p> <p>90. 10-15-70</p> <p>91. 10-15-70</p> <p>92. 10-15-70</p> <p>93. 10-15-70</p> <p>94. 10-15-70</p> <p>95. 10-15-70</p> <p>96. 10-15-70</p> <p>97. 10-15-70</p> <p>98. 10-15-70</p> <p>99. 10-15-70</p> <p>100. 10-15-70</p> </div> <div style="width: 35%;"> <p>COIL CONN. N.E.S.</p> <p>A 2" MPT SUPPLY</p> <p>B 2" MPT RETURN</p> <p>C 3" IPS VENT</p> <p>D 3" IPS DRAIN</p> </div> </div>							

1.5 AWARD OF CONTRACT

Awards may be made to more than one (1) vendor. There may be a Primary Vendor award and a Secondary Vendor award.

The County reserves the right to make selective awards only to the categories it determines necessary. Also, the County reserves the right to reject any and/or all bids.

The Contract will be for a period of one (1) year and may be extended for additional four (4) one-year extensions by mutual agreement between the Vendor and Suffolk County. The original contract period, plus extensions, shall not exceed five (5) years total.

SUFFOLK COUNTY DEPARTMENT OF PUBLIC WORKS
PURCHASING OFFICE

SPECIAL INSTRUCTIONS TO BIDDERS - APPLY ONLY AS INDICATED
BY CHECKMARK

All quotations are subject to the following Special Instructions to Bidders, if referenced in the bid specifications. Upon acceptance of this bid by the County, those Special Instructions which are referenced in the bid shall apply to all orders issued as a result of such acceptance.

☒ A. BIDS

1. Terms of this bid are to remain in effect for 90 days after date of bid opening unless specifically changed to another term by the Bidder under Item 3 on Page 1.
2. Successful Bidder will be required to supply one (1) parts book, one (1) service and repair manual, and one (1) operator's manual with each unit, where applicable.

B. SPECIFICATIONS

3. Appropriate manufacturer's and distributor's certificates must be completed and submitted with the bid. Failure to do so may render the bid informal.
4. Wherever specifications are referenced or supplied, it is intended that they be the latest revision in effect at the time of the bid.
5. The Vendor guarantees that all articles of equipment including all parts thereof are new and of first quality throughout and comply in all respects with or are fully equal to the standards called for in the bid. The vendor further guarantees all equipment, and all parts thereof against all or any defects of workmanship, construction, and materials, and guarantees to repair or replace without cost to the County any article that has become defective and not proven to have been caused by negligence on the part of the user, within one (1) year from the date of acceptance. Should this clause become operative and the vendor be required to repair or replace any equipment or any part so guaranteed, a new guarantee period of one (1) year shall become effective for those items so repaired or replaced dating from the time of their acceptance.

In the event of failure on the part of the vendor to replace or put in first class condition any such articles within 30 days from date of notice, the County may have the work done by others and charge the cost to money due, or that may become due to the vendor. If there is no money due to the vendor, the vendor agrees to pay the County such costs.

6. Quarterly sales reports on annual supplies contracts are to be submitted by the successful bidder no later than the 15th of the month following each quarter. Political subdivisions are to be listed separately from County Agencies. Each report shall indicate name and address of vendor, contract number, period covered by report, total dollar volume of period, and year to date dollars. Failure to submit quarterly reports may result in disqualification of vendor for future contracts.

C. PRICING

7. Each bidder shall submit with his bid one copy of the manufacturer's latest trade catalog and price list showing all items of the general nature and manufacture as indicated in his bid for each class. The Chief Purchasing Agent reserves the right to purchase any item listed therein and the discount quoted in the bid shall apply to the list price of any of such items which may be purchased during the period of this contract. Bidder is to cross out any printed matter and/or prices which do not apply on this contract. Any references to "Prices subject to change without notice" will have no value on this contract.

All deletions in the price list must be initialed by the person submitting the bid. The successful bidder is to furnish on request three (3) additional copies of the catalog and price list. Failure to submit a catalog and price list with bid may result in rejection of bid.

8. A request to substitute a new price during the period of the contract will be considered only if submitted to the Chief Purchasing Agent in writing. The Chief Purchasing Agent may, after consideration, accept the new price as a basis for modification of the contract. However, if the Chief Purchasing Agent does not consider the new price fair, reasonable, and in the County's interest, the contract may be cancelled after 30 days written notice during which time the contractor agrees to fill all outstanding orders placed prior to cancellation.

9. When a discount is requested for items other than specified, such discount must be compatible with all other items in the same class.

10. Prices are to remain firm fixed for each one (1) year period of the contract.

D. CONTRACTS UNLESS OTHERWISE SPECIFICALLY STATED

11. The period of this contract is for one year from date of award and may be extended for 4 additional one (1) year periods at the option of the County.

12. If any quantities are indicated, they are merely estimates based on experience. The County will neither be compelled to order any quantities of any item NOR will be limited by the quantity indicated for any item, but the quantity to be ordered will be such as may actually be required.

13. The County reserves the right to purchase from other sources any style, type, or size of article or equipment covered by this contract, or that will best meet the needs of the requisitioning agency; also, items required to match and intermember with an existing installation. The decision of the Chief Purchasing Agent to purchase such items from other sources shall be final.

14. The bidder agrees that by submitting a successful bid, any political subdivision of New York State will be permitted to participate in the awarded contract per the same terms and conditions set forth in the contract; provided, however, that any political subdivision choosing to utilize the contract will be wholly responsible for any debts incurred by them as a participant of the contract.

15. The bidder agrees in submitting a bid that qualified not-for-profit contract agencies of Suffolk County can participate in this contract, at the contractor's option, per terms and conditions listed. These contract agencies will be wholly responsible for any debts incurred by them as participants in this contract.

16. The County expressly reserves the right to terminate any resulting contract at any time for cause and in the Chief Purchasing Agent's sole discretion on thirty (30) days written notice to the contractor.

17. No alteration or variation of the terms of the contract shall be valid or binding upon the County unless requested in writing and formally approved by the Chief Purchasing Agent.

E. DELIVERY

18. All deliveries shall be made to a point or points as may be designated on specific orders.

19. Delivery must be made as ordered and in accordance with the terms of the contract.

20. The Chief Purchasing Agent reserves the right to disqualify any bidder, if in his sole judgment such bidder does not have the capacity for or facilities to assure such prompt delivery as specified and as is required in the best interest of the County.

REQ. # 10/29106

B.O.D. 5/28/10

Suffolk County Form 22
Contractor's/Vendor's Public Disclosure Statement

Pursuant to Section A5-7 of the Suffolk County Administrative Code, this Public Disclosure Statement must be completed by all contractors/vendors that have a contract with Suffolk County, with the exception of hospitals; educational or governmental entities; not-for-profit corporation; and contracts providing foster care, family day care providers, or child protective consulting services, who do not have to fill out this form at all.

1. Contractor's/Vendor's Name _____
Address _____
City and State _____ Zip Code _____
2. Contracting Department's Name _____
Address _____
3. Payee Identification or Social Security No. _____
4. Type of Business ☐ Corporation ☐ Partnership ☐ Sole Proprietorship ☐ Other
- 5.a Is contractor/vendor entering into or has contractor/vendor entered into a contract with Suffolk County in excess of \$1,000? ☐ Yes ☐ No.
- 5.b Has contractor/vendor entered into three or more contracts, including the one for which you are now completing this form, with Suffolk County, any three of which, when combined, exceed \$1,000? ☐ Yes ☐ No.
6. Table of Organization. List names and addresses of all principals; that is all individuals serving on the Board of Directors or comparable body, names and addresses of all partners, and names and addresses of all corporate officers. Conspicuously identify any person in this table of organization who is also an officer or an employee of Suffolk County. (Attach additional sheet(s) if necessary)

7. List all names and addresses of those individual shareholders holding more than five percent (5%) interest in the contractor/vendor. Conspicuously identify any shareholder who is also an officer or an employee of Suffolk County. (Attach additional sheet(s) if necessary)

8. Does contractor/vendor derive 50% or more of its total revenues from its contractual or vendor relationship with Suffolk County? ☐ Yes ☐ No.

9. If you answered yes to 8 above, you must submit with this disclosure statement, a complete financial statement listing all assets and liabilities as well as a profit and loss statement. These statements must be certified by a Certified Public Accountant. (Strike this out if not applicable.)
10. The undersigned shall include this Contractor's/Vendor's Public Disclosure Statement with the contract. (Describe general nature of the contract.) _____
11. **Remedies:** The failure to file a verified Public Disclosure statement as required under local law shall constitute a material breach of contract. Suffolk County may resort, use or employ any remedies contained in Article II of the Uniform Commercial Code of the State of New York. In addition to all legal remedies, Suffolk County shall be entitled, upon a determination that a breach has occurred, to damages equal to fifteen percent (15%) of the amount of the contract.
12. **Verification:** This section must be signed by an officer or principal of the contractor/vendor authorized to sign for the company for the purpose of executing contracts. The undersigned being sworn, affirms under the penalties of perjury, that he/she has read and understood the foregoing statements and that they are, to his/her own knowledge, true.

Dated: _____

Signed: _____

Printed Name of Signer: _____

Title of Signer: _____

Name of Contractor/Vendor: _____

UNIFORM CERTIFICATE OF ACKNOWLEDGMENT (Within New York State)

STATE OF NEW YORK)
COUNTY OF) ss.:

On the _____ day of _____ in the year 20____ before me, the undersigned, personally appeared _____ personally known to me or proved to me on the basis of satisfactory evidence to be the individual(s) whose name(s) is(are) subscribed to the within instrument and acknowledged to me that he/she/they executed the same in his/her/their capacity(ies) and that by his/her/their signature(s) on the instrument, the individual(s), or the person upon behalf of which the individual(s) acted, executed the instrument.

(Signature and office of individual taking acknowledgement)

UNIFORM CERTIFICATE OF ACKNOWLEDGEMENT
(Without New York State)

STATE OF)
) ss.:
COUNTY OF)

On the _____ day of _____ in the year 20____ before me, the undersigned,
personally appeared _____ personally known to me or proved to me
on the basis of satisfactory evidence to be the individual(s) whose name(s) is(are) subscribed
to the within instrument and acknowledged to me that he/she/they executed the same in
his/her/their capacity(ies) and that by his/her/their signature(s) on the instrument, the
individual(s), or the person upon behalf of which the individual(s) acted, executed the
instrument, and that such individual(s) made such appearance before the undersigned in

(Insert the city or other political subdivision and the state or country or other place the
acknowledgement was taken)

(Signature and office of individual taking acknowledgement)

SCEX-22 (rev 1/09)

Proposal/Bid Certification

The undersigned Contractor affirms as true, under the penalties of perjury, as follows:

The prices in this Proposal or Bid have been arrived at independently without collusion, consultation, communication or agreement, for the purpose of restricting competition as to any matter relating to such prices, with any other contractor or with any competitor;

Unless otherwise required by law, the prices which have been quoted in this Proposal or Bid have not been disclosed knowingly by the Contractor, and will not be disclosed knowingly by the Contractor, directly or indirectly, to any other contractor or to any competitor, prior to the opening;

No attempt has been made or will be made by the Contractor to induce any other person, partnership or corporation to submit a Proposal or Bid for the purpose of restricting competition;

Neither the undersigned nor, if the Contractor is a partnership, joint venture or corporation, any partner, principal, officer, director, employee or stockholder holding in excess of a five percent (5%) interest therein, is an officer or employee of Suffolk County or is paid with County funds, or is required to disclose an interest pursuant to the Suffolk County Code of Ethics;

Neither the undersigned, nor, if the Contractor is a partnership, joint venture or corporation, any partner, principal, officer, director, employee, stockholder, or any other person authorized by the undersigned or any of the foregoing persons, has offered or given any gratuity to any official, employee or agent of Suffolk County or New York State or of any political party, with the purpose or intent of securing an agreement or securing favorable treatment with respect to the awarding or amending of an agreement or the making of any determinations with respect to the performance of an agreement;

The undersigned, a principal or corporate officer of the business listed below, has read and is familiar with the provisions of Local Law No. 32-1980 of Suffolk County; and

The undersigned, as such principal or corporate officer, further certifies to the best of his/her information and belief that there have been no convictions for the crimes described in Local Law No. 25-1990 of Suffolk County of persons referred to in the Local Law or that the required documentation is annexed hereto.

Dated: _____

Signed: _____

Printed Name of Signor: _____

Title of Signor: _____

Name of Firm: _____

Local Business Certification Form

The undersigned Contractor affirms as true, under the penalties of perjury, as follows:

The undersigned, a principal or corporate officer of the business listed below, has read and is familiar with the provisions of Local Law No. 5-1993, entitled "Competitive Bids" and Local Law No. 10-1997; and

The undersigned, as such principal or corporate officer, further certifies to the best of his/her information and belief that such bidder maintains a principal place of business located within Suffolk County or located with Nassau County or sells the contracted-for supplies, material or equipment manufactured and located within Suffolk County or located within Nassau County; and

The undersigned claims qualification in the event that the Contractor submits a bid not exceeding 10% more than the otherwise lowest responsible bidder.

DATE:

SIGNATURE:

PRINTED NAME OF SIGNOR:

TITLE OF SIGNOR:

NAME OF FIRM:

BID NUMBER:

SUFFOLK COUNTY DEPARTMENT OF LABOR
NOTICE OF APPLICATION TO CERTIFY COMPLIANCE WITH FEDERAL LAW
(8 U.S.C. SECTION 1324A)
WITH RESPECT TO LAWFUL HIRING OF EMPLOYEES
Suffolk County Code, Chapter 234 (2006)

To Be Completed By Applicant/ Covered Employer//Owner

EMPLOYER/CORP./BUSINESS/COMPANY NAME: _____

1) ADDRESS: _____

2) NOT-FOR-PROFIT: YES _____ NO _____ (SUBMIT PROOF OF IRS NOT-FOR-PROFIT STATUS)

3) VENDOR #: _____ 4) **CONTRACT ID: _____
(If known)

5) CONTACT: _____ 6) TELEPHONE #: _____
(If known)

7) TERM OF CONTRACT OR EXTENSION (PROVIDE DATES): _____

8) AMOUNT OF CONTRACT OR EXTENSION: _____

9) BRIEF DESCRIPTION OF PROJECT OR SERVICE _____

SUBCONTRACTOR: _____

1) ADDRESS: _____

2) VENDOR#: _____ 3) TELEPHONE #: _____

4) CONTACT: _____

5) DESCRIPTION OF COMPENSATION, PROJECT OR SERVICE: _____

EVIDENCE OF COMPLIANCE:

COPIES OF THE FOLLOWING MUST BE MAINTAINED BY COVERED EMPLOYERS OR THE OWNERS THEREOF FOR EACH EMPLOYEE FOR THE TIME PERIODS SET FORTH IN SUFFOLK COUNTY CODE, CHAPTER 234, SECTION 5 (C):

- A. United States passport; or
- B. resident alien card or alien registration card; or
- C. birth certificate indicating that person was born in the United States; or
- D. (1) a driver's license, if it contains a photograph of the individual; and
(2) a social security account number card (other than such a card which specifies on its face that the issuance of the card does not authorize employment in the United States); or
- E. employment authorization documents such as an H-1B visa, H-2B visa, and L-1 visa, or other work visa as may be authorized by the United States Government at the time the County contract is awarded for all covered employees.

**AFFIDAVIT OF COMPLIANCE
WITH THE REQUIREMENTS OF
8 U.S.C. SECTION 1324a
WITH RESPECT TO LAWFUL HIRING OF EMPLOYEES**

State of New York)

County of _____) ss:

_____, being duly sworn, deposed and says:
(Print Name of Deponent)

1. I am owner/authorized representative of _____
(Circle one) (Name of Corp., Business, Company)

2. I certify that I have complied, in good faith, with the requirements of Title 8 of the United States Code (U.S.C.) section 1324a (Aliens and Nationality) with respect to the hiring of covered employees and with respect to the alien and nationality status of the owners thereof, as set forth in Suffolk County Code Chapter 234 (2006).

(Signature of Deponent)

Sworn to before me this _____ day

of _____, 20____

(Notary Public)

LHE-2
(01/07)